

SWBAT

observe properties of
projectiles

Sep 4-7:31 AM

Welcome!!!

SECA CP Physics
Wednesday 9 December 2015

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Room C-244

Centering
(animals)

- Show me you are passing on SchoolView, or secure phone!
- Pg 43 & 45 homework!!!
- get a computer, log in, get going on projectiles packet

Opening Activity - Quick Write!

What does vector ^{HAS SIZE & DIRECTION} mean? Make a list of
"vectors" and "not vectors" (= scalars).

DISPLACEMENT

VELOCITY

ACCELERATION

70 km/hr North

SPEED

DISTANCE

<http://www.buzzfeed.com/elainawahl/baby-animals-are-actual-sunshine#.ot6WeMZAe>

11-15

Sep 7-7:04 AM

What we should have solid:

Memorize our 5 vocab cards, units, vector or not, definition, formula

Be able to answer distance vs displacement questions

Be able to make measurements of real-life motion. Know what is likely to make timing things difficult and how to get more reliable timing results

Be able to convert between miles and meters, between hours, minutes, and seconds

Be able to calculate speed = dist/time and velocity = disp/time

Know what all of the symbols in the UAM equations stand for and mean

Be able to turn a UAM word problem into a list of knowns and unknowns

Be able to pick the equation with those 4 things in it

Be able to put the knowns into that equation

(Be able to solve for the unknown)

→ PROJECTILES: v_x IS CONSTANT; $a_y = -9.8 \text{ m/s}^2$ ^{v_y CHANGES} PG 42
PG 43 TIME, Δt , CONNECTS x & y

QW every day to review? Volunteer answers on board?

Dec 4-9:15 AM

Homework DUE WED 12/9

2 VIDEOS

* FP: Introduction to Projectile Motion - pg 43

* FP: An Introductory **Projectile Motion Problem** with an Initial Horizontal Velocity - **Part 1** of 2 - pg 45

TRY PRACTICE PROBLEM
Hand back! FOR THURS

Dec 7-8:20 AM

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Sep 5-9:09 AM

Experiment with Projectiles

Google "Phet projectile motion"

What conclusions can you draw???

$$90^\circ < \text{ANGLE} < 45^\circ$$

Try projectile practice problem for tomorrow!

Dec 8-9:11 AM